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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/632,037	07/30/2003	Wolfgang Lerche	SWR-0111	9653
75	90 03/13/2006		EXAMINER	
CANTOR COLBURN LLP			ABRAMOWITZ, HOWARD E	
55 Griffin Road South Bloomfield, CT 06002			ART UNIT	PAPER NUMBER
Biodifficia, Ci	00002		1762	
			DATE MAILED: 03/13/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	10/632,037	LERCHE ET AL.	i		
Office Action Summary	Examiner	Art Unit			
	Howard E. Abramowitz	1762			
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address			
Period for Reply	LIC OFT TO EVOIDE AMONTH!	C) OD THIDTY (20) DAVC			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 09 Ja	nuary 2006.				
2a) ☐ This action is FINAL . 2b) ☒ This	action is non-final.				
3) Since this application is in condition for allowar					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>1-12 and 20</u> is/are pending in the app	lication.				
4a) Of the above claim(s) is/are withdraw	vn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-12 and 20</u> is/are rejected.					
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	r election requirement				
o) Claim(s) are subject to restriction and/or	r election requirement.				
Application Papers			•		
9) The specification is objected to by the Examine					
10)⊠ The drawing(s) filed on <u>30 July 2003</u> is/are: a)□ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	· · · · · · · · · · · · · · · · · · ·				
TT) THE Gath of declaration is objected to by the Ex	ammer. Note the attached Office	Action of form 1 10 102.			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau 	s have been received. s have been received in Applicati rity documents have been receive	ion No			
* See the attached detailed Office action for a list	• • • • • • • • • • • • • • • • • • • •	ed.			
Attachment(s)	_				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	4) Interview Summary Paper No(s)/Mail D				
 2) Li Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/30/03, 3/11/04. 		Patent Application (PTO-152)			

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of group 1 claims 1-12 and 20 in the reply filed on 1/9/06 is acknowledged.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Where applicant acts as his or her own lexicographer to specifically define a term of a claim contrary to its ordinary meaning, the written description must clearly redefine the claim term and set forth the uncommon definition so as to put one reasonably skilled in the art on notice that the applicant intended to so redefine that claim term. *Process Control Corp. v. HydReclaim Corp.*, 190 F.3d 1350, 1357, 52 USPQ2d 1029, 1033 (Fed. Cir. 1999). The term "carbon monoxide" in claim 20 is used by the claim to mean "a hydrocarbon", while the accepted meaning is "just a carbonaceous gas as there is no hydrogen present." The term is indefinite because the specification does not clearly redefine the term.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-10, 12 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Watanabe et al. (US Patent No. 3,892,890).

Referring to claim 1, Watanabe et al. discloses a method for carburizing component comprising subjecting a surface to a heat treatment with simultaneous administration of a carbon emitting medium inside a processing space (column 5 lines 15-25).

Referring to claims 2-4, Watanabe et al. discloses using a pressure of less than 100 torr specifically exemplifying 10 torr (13.3 mbar) (column 14 lines 35-45).

Referring to claims 5-7, Watanabe et al. discloses using a temperature in the range of 450-700 °C (column 7 lines 29-37).

Referring to claim 8, Watanabe et al. discloses the amount of carbon deposited as a function of temperature. Knowing the amount of carbon deposited at a given temperature means that the processing time (time to deposit a given amount of carbon) as a function of temperature is also known as the amount of time must be constant for each deposition temperature (figure 9).

Referring to claim 9, the carbon content is regulated as a function of the temperature as the preheating temperature of the part controls amount of carbon being deposited (figure 4, column 10 lines 23-54). As the amount of carbon deposited influences the amount of carbon in the gaseous state controlling the temperature controls the amount of carbon both on the substrate and in the atmosphere.

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Referring to claim 10, 12 and 20, acetylene is a gas as it is administered into the reaction chamber (column 11 lines 37-45).

Claims 1-7, 10-12 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Carlson et al. (US Patent No. 4,060,660).

Referring to claim 1, Carlson et al. discloses a method for carburizing component comprising subjecting a surface to a heat treatment with simultaneous administration of a carbon emitting medium inside a processing space (column 2 lines 4-20).

Referring to claims 2-4, Carlson et al. discloses using a pressure of about 0.5-2.0 torr (.67-2.67 mbar) (column 3 lines 35-38).

Referring to claims 5-7, Carlson et al. discloses using a temperature in the range of 300-550 °C (column 2 lines 4-20).

Referring to claim 10, 12 and 20, acetylene is a gas as it is administered into the reaction chamber (column 2 lines 4-20).

Referring to claim 11, Carlson et al: discloses using Benzene as the precursor which is a liquid before it enters the treatment space (column 2 lines 4-20).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Howard E. Abramowitz whose telephone number is 571-272-8557. The examiner can normally be reached on monday-friday 9:00-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy H. Meeks can be reached on 571-272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HEA

TIMOTHY MEEKS
SUPERVISORY PATENT EXAMINATION